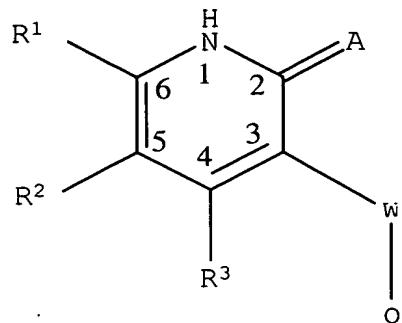


WHAT IS CLAIMED IS:

1. A compound of Formula I



5

I

wherein A is O or S;

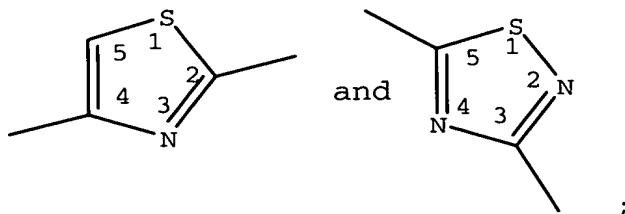
wherein Q is selected from $-N(R^5)_2$, $-NR^5C(O)R^5$, $-(C_1-C_8)\text{alkyl}$,

OR^5 , $-(C_1-C_8)\text{alkyl}-S(O)_nR^6$, $\begin{array}{c} R^4 \\ | \\ -N-SO_2R^6 \end{array}$, substituted aryl, an unsubstituted or substituted monocyclic or bicyclic, non-aromatic carbocyclic ring, an unsubstituted or substituted monocyclic or bicyclic, heteroaryl ring, and an unsubstituted or substituted monocyclic or bicyclic, non-aromatic heterocyclic ring,

15 wherein a ring is unsubstituted or substituted with one or more groups selected from halo, $(C_1-C_8)\text{alkyl}$, $(C_2-C_8)\text{alkynyl}$, $(C_2-C_8)\text{alkenyl}$, $-OR^5$, $-O-(CH_2)_{1-2}-O-$, $-N(R^5)_2$, $-(C_1-C_8)\text{alkyl}-N(R^5)_2$, $(C_1-C_8)\text{haloalkyl}$, lower cyanoalkyl, $-(C_1-C_8)\text{alkyl}-OR^5$, lower alkylaminoalkoxy, lower aminoalkoxyalkyl, $-(C_1-C_8)\text{alkyl}-S(O)_nR^5$, $-N(R^5)-(C_1-C_8)\text{alkyl}-N(R^5)_2$, $-N(R^5)-(C_1-C_8)\text{alkyl}-OR^5$, $-N(R^5)-(C_1-C_8)\text{alkyl}-NHC(O)R^5$, $-N(R^5)-(C_1-C_8)\text{alkyl}-C(O)N(R^5)_2$, lower alkoxyalkyl, $-S(O)_nR^5$, $-SO_2NR^5R^5$, $-NR^5S(O)_nR^5$, cyano, nitro, optionally substituted $(C_3-C_{10})\text{cycloalkyl}$, 20 optionally substituted aryl, optionally substituted 4-7 membered heterocyclyl, optionally substituted phenoxyalkyl, optionally substituted

heterocyclyloxyalkyl, $-C(O)N(R^5)_2$, $-CO_2R^5$, $-CO_2N(R^5)_2$, $-SO_2NHC(O)R^5$, optionally substituted phenylalkyl, optionally substituted heterocyclylalkyl, $-NR^5C(O)N(R^5)_2$, $-NR^5C(O)R^5$, $-NR^5CO_2R^5$ and $-C(O)R^5$;

5 wherein W is selected from



wherein n is 0, 1 or 2;

wherein R¹ is selected from H, -OR⁶, halo, aryl, (C₁-

10 C₈)alkyl, (C₂-C₈)alkenyl, (C₂-C₈)alkynyl, (C₁-C₈)perfluoroalkyl, $-NR^5_2$, -(C₁-C₈)alkyl-NR⁵₂, -(C₁-C₈)alkyl-OR⁵, $-S(O)_n$ -alkyl, $-S(O)_n$ -aryl, $-S(O)_n$ -heteroaryl, (C₃-C₁₀)cycloalkyl, nitro, heterocyclyl, $-NR^5SO_2R^5$, $-C(O)N(R^5)_2$, $-CO_2R^5$, -(CR⁵₂)₁₋₈aryl, -(CR⁵₂)₁₋₈heterocyclyl,

15 $-NR^5C(O)N(R^5)_2$, $-NR^5C(O)R^5$, $-NR^5CO_2R^5$, and $-C(O)R^5$; wherein R¹ and R² may be joined to form a 5-10 membered saturated or partially unsaturated carbocyclic or heterocyclic ring;

wherein R² is selected from H, -OR⁶, halo, aryl, (C₁-

20 C₈)alkyl, (C₂-C₈)alkenyl, (C₂-C₈)alkynyl, (C₁-C₈)perfluoroalkyl, $-NR^5_2$, -(C₁-C₈)alkyl-NR⁵₂, -(C₁-C₈)alkyl-OR⁵, $-S(O)_n$ -alkyl, $-S(O)_n$ -aryl, $-S(O)_n$ -heteroaryl, (C₃-C₁₀)cycloalkyl, nitro, heterocyclyl, $-NR^5SO_2R^5$, $-C(O)N(R^5)_2$, $-CO_2R^5$, -(CR⁵₂)₁₋₈aryl, -(CR⁵₂)₁₋₈heterocyclyl, -

25 $NR^5C(O)N(R^5)_2$, $-NR^5C(O)R^5$, $-NR^5CO_2R^5$, and $-C(O)R^5$;

wherein R³ is selected from H, -OR⁶, halo, aryl, (C₁-

C₈)alkyl, (C₂-C₈)alkenyl, (C₂-C₈)alkynyl, (C₁-C₈)perfluoroalkyl, $-NR^5_2$, -(C₁-C₈)alkyl-NR⁵₂, -(C₁-C₈)alkyl-OR⁵, $-S(O)_n$ -alkyl, $-S(O)_n$ -aryl, $-S(O)_n$ -heteroaryl, (C₃-C₁₀)cycloalkyl, nitro, heterocyclyl, $-NR^5SO_2R^5$,

30

-C(O)N(R⁵)₂, -CO₂R⁵, -(CR⁵)₂₁₋₈aryl, -(CR⁵)₂₁₋₈heterocyclyl, -NR⁵C(O)N(R⁵)₂, -NR⁵C(O)R⁵, -NR⁵CO₂R⁵, and -C(O)R⁵; wherein R² and R³ may be joined to form a 5-10 membered saturated or partially unsaturated carbocyclic or heterocyclic ring;

5 wherein R⁴ is independently selected from H, and (C₁-C₆)alkyl;

wherein R⁵ is independently selected from H, lower alkyl, optionally substituted aryl, optionally substituted aralkyl, optionally substituted heterocyclyl, optionally substituted 10 heterocyclylalkyl, optionally substituted C₃-C₆ cycloalkyl, optionally substituted C₃-C₆ cycloalkyl-alkyl, lower alkylamino-lower alkyl, aryloxyalkyl, alkylcarbonylalkyl, and lower perfluoroalkyl; and wherein R⁶ is independently selected from lower alkyl,

15 optionally substituted aryl, optionally substituted aralkyl, optionally substituted heterocyclyl, optionally substituted heterocyclylalkyl, optionally substituted C₃-C₆ cycloalkyl, optionally substituted C₃-C₆ cycloalkyl-alkyl, lower alkylamino-lower alkyl, aryloxyalkyl,

20 alkylcarbonylalkyl, and lower perfluoroalkyl;

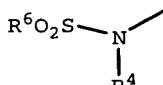
wherein each aryl, heteroaryl, cycloalkyl, and heterocyclyl moiety of any R¹, R², R³, R⁵, R⁶, and Q is optionally substituted with one or more groups selected from halo, -NH₂, -OH, -CO₂H, (C₁-C₆)alkylamino, (C₁-C₆)alkoxy, (C₁-C₆)alkoxyalkyl, (C₁-C₆)alkyl, di(C₁-C₆)alkylamino, phenyl, 25 and heterocyclyl;

and pharmaceutically acceptable derivatives thereof;

provided R¹ is not CF₃ when R² is ethoxycarbonyl, when R³ is H, when W is thiazol-4-yl and when Q is 4-pyridyl or 2-chloro-4-pyridyl; further provided Q is not 4-pyridyl, when W is thiazol-2-yl, when R¹, R³, and R² are H; further provided Q is not 2-nitro-5-furyl when W is thiazol-2-yl, when R¹ is methyl, when R³ is H, and when R² is H; further

provided Q is not phenyl when W is thiazol-2-yl, when R¹ is methyl, when R³ is methyl, and when R² is H; further provided Q is not phenyl, 3,4-diacetylphenyl or 3,4-dihydroxyphenyl, when W is thiazol-2-yl, when R¹ is H, when R³ is H, and when R² is H; and further provided Q is not 3-cyano-6-methyl-2-oxo-1,2-dihydro-5-pyridyl, when W is thiazol-2-yl, when R¹ is methyl, when R³ is H, and when R² is acetyl.

10 2. Compound of Claim 1 wherein Q is selected from



 R⁶SO₂- (C₁-C₆)alkyl-, R⁴, substituted phenyl, and
 substituted or unsubstituted 5-6 membered heteroaryl;
 wherein R⁴ is independently selected from H, and (C₁-
 C₂)alkyl; and

15 wherein R⁶ is independently selected from (C₁-C₄)alkyl,
 optionally substituted phenyl, optionally substituted
 phenyl-(C₁-C₂)alkyl, optionally substituted furyl-(C₁-C₂)-
 alkyl, optionally substituted C₃-C₆ cycloalkyl-(C₁-C₂)-
 alkyl, (C₁-C₃)alkylamino-(C₁-C₃)-alkyl-, phenoxy-(C₁-
 C₃)alkyl-, (C₁-C₂)alkylcarbonyl-(C₁-C₂)alkyl- and
 20 optionally substituted heterocyclyl selected from pyridyl
 and thienyl; and pharmaceutically acceptable derivatives
 thereof.

25 3. Compound of Claim 2 wherein Q is selected from
 phenylsulfonylamino, N-methyl-N-(2-pyridylsulfonyl)amino, N-
 methyl-N-(3-pyridylsulfonyl)amino, N-methyl-N-(4-
 pyridylsulfonyl)amino, N-methyl-N-(2-thienylsulfonyl)amino,
 N-methyl-N-(phenylsulfonyl)amino, 2-pyridylsulfonylmethyl,
 30 3-pyridylsulfonylmethyl, 4-pyridylsulfonylmethyl, 2-
 thiethylsulfonylmethyl, phenylsulfonylmethyl, (1-methyl)-1-
 (phenylsulfonyl)ethyl, 4-chlorophenyl-sulfonylmethyl, 2-
 furylmethylsulfonylmethyl, 3-trifluoromethylbenzyl-

sulfonylmethyl, methylsulfonylmethyl, tert-butylsulfonylmethyl, 4-fluorobenzylsulfonylmethyl, 4-chlorophenyl-methylsulfonylmethyl, 2-thienyl, 3-(4-chlorophenylsulfonylmethyl)-2-thienyl, phenyl substituted
5 with one or more substituents selected from hydroxyl, chloro, fluoro, methoxy, -O-CH₂-O-, amino, aminomethyl, methylsulfonyl, methyl, cyano, trifluoromethyl, and pyrrolyl, unsubstituted pyridyl, and

10 4-pyridyl substituted with one or more substituents selected from chloro, fluoro, methyl, ethyl, -NH₂, methoxy, ethoxy, -OH, -CO₂H, phenoxyethylamino, methylamino, butylamino, isobutylamino, benzylamino, 4-fluorobenzylamino, 2-thienylethylamino, 3-pyridylmethylethylamino, 2-pyridylmethylamino, 2-furylmethylethylamino, 4-methoxybenzylamino, diethylamino,
15 cyclopropylmethylamino, cyclopentylmethylamino, ethylaminoethylamino, diethylaminoethylamino, isopropylaminoethylamino, methylcarbonylaminoethylamino, methylcarbonylmethylamino, pyrrolidinyl, piperazinyl, piperidinyl, morpholinyl and azetidinyl; and pharmaceutically acceptable derivatives thereof.

4. Compound of Claim 1, and pharmaceutically acceptable derivatives thereof, wherein W is thiazol-4-yl.

5. Compound of Claim 1 wherein R¹ is selected from (C₁-C₆)alkyl, -(C₁-C₄)alkyl-N(R⁵)₂, -(C₁-C₄)alkyl-OR⁵, -(C₃-C₅)cycloalkyl, and -CF₃;
30 wherein R² is selected from H, halo, (C₁-C₃)alkyl, -NR⁵₂, -OR⁶, -(C₁-C₃)alkyl-OR⁵, -C(O)N(R⁵)₂, -CO₂R⁵, -(CH₂)₁₋₃-(5-6 membered saturated or partially unsaturated) heterocyclyl, -NHC(O)R⁵, and -C(O)R⁵;

wherein R¹ and R² may be joined together with the pyridone ring to form optionally substituted 2-oxo-1,5,7,8-tetrahydro-2H-[1,6]naphthyridine, optionally substituted 5,6,7,8-tetrahydro-1H-[1,6]naphthyridin-2-one, optionally substituted 5,6,7,8-tetrahydro-1H-[1,7]naphthyridin-2-one, optionally substituted 5,6,7,8-tetrahydro-1H-quinolin-2-one, optionally substituted 7,8-dihydro-1H-quinolin-2-one, 7,8-dihydro-(1H,6H)-quinoline-2,5-dione or 1,5,7,8-tetrahydro-pyrano[4,3-b]pyridin-2-one;

10 wherein R³ is H;
wherein R⁵ is independently selected from H, C₁-C₄-alkyl, optionally substituted phenyl, optionally substituted benzyl, optionally substituted heterocyclyl selected from piperazinyl, morpholinyl, pyrrolidinyl, and piperidinyl, optionally substituted pyridyl-(C₁-C₃)-alkyl, optionally substituted piperazinyl-(C₁-C₃)-alkyl, 4-morpholinyl-(C₁-C₃)-alkyl, pyrrolidinyl-(C₁-C₃)-alkyl, 1-piperidinyl-(C₁-C₃)-alkyl, optionally substituted C₃-C₆ cycloalkyl-(C₁-C₃)-alkyl, -(C₁-C₃)-alkyl-N-((C₁-C₃)-alkyl)₂ and -(C₁-C₃)-alkyl-NH-(C₁-C₃)-alkyl;
20 and pharmaceutically acceptable derivatives thereof.

6. Compound of Claim 5 wherein R¹ is selected from methyl, ethyl, propyl, isopropyl, hydroxyethyl, dimethylaminomethyl, benzyloxymethyl, 4-methoxybenzyloxymethyl, methoxymethyl, cyclopropyl, and -CF₃;
25 wherein R² is selected from H, bromo, methyl, amino, isobutylamino, hydroxymethyl, aminocarbonyl, 4-methoxybenzylaminocarbonyl, 2-pyridylmethyleaminocarbonyl, ethylaminoethylaminocarbonyl,
30 isopropylaminoethylaminocarbonyl, cyclopropylmethyleaminocarbonyl, isobutylaminocarbonyl, ethoxycarbonyl, tert-butoxycarbonyl, 4-morpholinylethoxycarbonyl, 1-pyrrolidinylethoxycarbonyl,

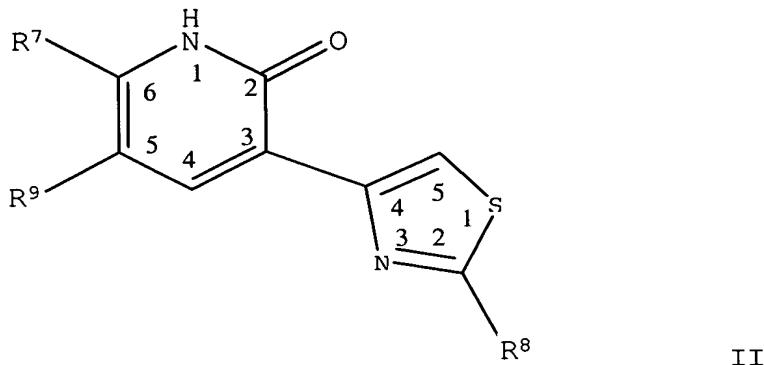
1-piperidinylethoxycarbonyl, diethylaminopropoxycarbonyl,
carboxyl, 1,2,5,6-tetrahydro-1-pyridylmethyl, 1-
piperidinylmethyl, 1-methyl-4-piperazinylmethyl,
methylcarbonylamino, isobutylcarbonylamino, and 1-methyl-
5 4-piperazinylcarbonyl;
wherein R¹ and R² may be joined together with the pyridone
ring to form 6-benzyloxycarbonyl-2-oxo-1,5,7,8-
tetrahydro-2H-[1,6]naphthyridine, 5,6,7,8-tetrahydro-1H-
[1,6]naphthyridin-2-one, 7-Boc-5,6,7,8-tetrahydro-1H-
10 [1,7]naphthyridin-2-one, 7-ethyl-5,6,7,8-tetrahydro-1H-
[1,7]naphthyridin-2-one, 5-methyl-7,8-dihydro-1H-
quinolin-2-one, 5-propylamino-5,6,7,8-tetrahydro-1H-
quinolin-2-one, 5-propylimino-5,6,7,8-tetrahydro-1H-
quinolin-2-one, 7,8-dihydro-(1H,6H)-quinoline-2,5-dione
15 or 1,5,7,8-tetrahydro-pyrano[4,3-b]pyridin-2-one; and
pharmaceutically acceptable derivatives thereof.

7. Compound of Claim 4, and pharmaceutically
acceptable derivatives thereof, wherein A is O; wherein Q is
20 selected from N-methyl-N-(phenylsulfonyl)amino, 2-
pyridylsulfonylmethyl, 2-thienylsulfonylmethyl,
phenylsulfonylmethyl, (1-methyl)-1-(phenylsulfonyl)ethyl, 4-
chlorophenyl-sulfonylmethyl, 2-furylmethylsulfonylmethyl,
methylsulfonylmethyl, tert-butyl-sulfonylmethyl, 4-
25 fluorobenzylsulfonylmethyl, 2-thienyl, phenyl substituted
with one or more substituents selected from
chloro, fluoro, and -O-CH₂-O-,
unsubstituted pyridyl, and
4-pyridyl substituted with one or more substituents
30 selected from chloro, fluoro, -NH₂, methoxy, ethoxy,
phenoxyethylamino, methylamino, methyl, ethyl,
butylamino, isobutylamino, benzylamino, 4-
fluorobenzylamino, 2-thienylethylamino, 3-
pyridylmethylethylamino, 2-pyridylmethylethylamino, 2-

furylmethylamino, 4-methoxybenzylamino, diethylamino,
cyclopropylmethylamino, cyclopentylmethylamino,
ethylaminoethylamino, diethylaminoethylamino,
isopropylaminoethylamino, methylcarbonylaminoethylamino,
5 methylcarbonylmethylamino, pyrrolidinyl, piperazinyl,
piperidinyl, morpholinyl and azetidinyl;
wherein R¹ is selected from methyl, ethyl, propyl,
isopropyl, dimethylaminomethyl, hydroxyethyl,
benzyloxymethyl, 4-methoxy-benzyloxymethyl,
10 methoxymethyl, cyclopropyl, and -CF₃;
wherein R² is selected from H, bromo, methyl, amino,
isobutylamino, hydroxymethyl, aminocarbonyl, 4-
methoxybenzylaminocarbonyl, 2-pyridylmethylaminocarbonyl,
ethylaminoethylaminocarbonyl,
15 isopropylaminoethylaminocarbonyl,
cyclopropylmethylaminocarbonyl, isobutylaminocarbonyl,
ethoxycarbonyl, tert-butoxycarbonyl, 4-
morpholinylethoxycarbonyl, 1-pyrrolidinylethoxycarbonyl,
1-piperidinylethoxycarbonyl, diethylaminopropoxycarbonyl,
20 carboxyl, 1,2,5,6-tetrahydro-1-pyridylmethyl, 1-
piperidinylmethyl, 1-methyl-4-piperazinylmethyl,
methylcarbonylamino, isobutylcarbonylamino, and 1-methyl-
4-piperazinylcarbonyl;
wherein R¹ and R² may be joined together with the pyridone
25 ring to form 6-benzyloxycarbonyl-2-oxo-1,5,7,8-
tetrahydro-2H-[1,6]naphthyridine, 5,6,7,8-tetrahydro-1H-
[1,6]naphthyridin-2-one, 7-Boc-5,6,7,8-tetrahydro-1H-
[1,7]naphthyridin-2-one, 7-ethyl-5,6,7,8-tetrahydro-1H-
[1,7]naphthyridin-2-one, 5-methyl-7,8-dihydro-1H-
30 quinolin-2-one, 5-propylamino-5,6,7,8-tetrahydro-1H-
quinolin-2-one, 5-propylimino-5,6,7,8-tetrahydro-1H-
quinolin-2-one, 7,8-dihydro-(1H,6H)-quinoline-2,5-dione
or 1,5,7,8-tetrahydro-pyrano[4,3-b]pyridin-2-one; and
wherein R³ is H.

8. Compound of Claim 1 wherein A is O; and pharmaceutically acceptable derivatives thereof.

5 9. A compound of Claim 1 having Formula II



wherein R⁷ is selected from -(C₁-C₃)alkyl, -(C₁-C₃)alkyl-
10 N(R¹⁰)₂, -(C₁-C₃)alkyl-OR¹⁰, -(C₃-C₅)cycloalkyl, and -CF₃;
wherein R⁸ is selected from R¹⁰SO₂-(C₁-C₆)alkyl-, R¹¹SO₂NH-

$$\begin{array}{c} \text{R}^{11}\text{O}_2\text{S}-\text{N} \\ | \\ \text{CH}_3 \end{array}$$
, substituted phenyl, and substituted or
unsubstituted 5-6 membered heteroaryl;
wherein R⁹ is selected from H, halo, (C₁-C₃)alkyl, -NR¹⁰₂, -
15 (C₁-C₃)alkyl-OR¹⁰, -C(O)N(R¹⁰)₂, -CO₂R¹⁰, (CH₂)₁₋₃-(5-6
membered saturated or partially unsaturated heterocyclyl,
-NHC(O)R¹⁰, and -C(O)R¹⁰;
wherein R¹⁰ is independently selected from H, (C₁-C₄)alkyl,
optionally substituted phenyl, optionally substituted
20 phenyl-(C₁-C₂)alkyl, optionally substituted furyl-(C₁-C₂)-
alkyl, optionally substituted C₃-C₆ cycloalkyl-(C₁-C₂)-
alkyl, (C₁-C₃)alkylamino-(C₁-C₃)-alkyl-, phenoxy-(C₁-
C₃)alkyl-, (C₁-C₂)alkylcarbonyl-(C₁-C₂)alkyl- and
optionally substituted heterocyclyl selected from pyridyl
25 and thienyl; and

wherein R¹¹ is independently selected from (C₁-C₄)alkyl, optionally substituted phenyl, optionally substituted phenyl-(C₁-C₂)alkyl, optionally substituted furyl-(C₁-C₂)-alkyl, optionally substituted C₃-C₆ cycloalkyl-(C₁-C₂)-alkyl, (C₁-C₃)alkylamino-(C₁-C₃)-alkyl-, phenoxy-(C₁-C₃)alkyl-, (C₁-C₂)alkylcarbonyl-(C₁-C₂)alkyl, and 5 optionally substituted heterocyclyl selected from pyridyl and thienyl; and pharmaceutically acceptable derivatives thereof;

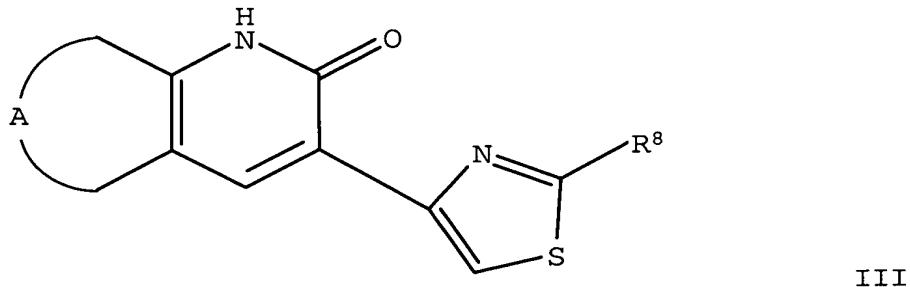
10 provided R⁷ is not CF₃ when R⁹ is ethoxycarbonyl and when R⁸ is 4-pyridyl or 2-chloro-4-pyridyl.

10. Compound of Claim 9 wherein R⁷ is selected from methyl, ethyl, propyl, isopropyl, dimethylaminomethyl, 15 benzyloxymethyl, hydroxyethyl, 4-methoxy-benzyloxymethyl, methoxymethyl, cyclopropyl, and -CF₃; wherein R⁸ is selected from N-methyl-N-(phenylsulfonyl)amino, 2-pyridylsulfonylmethyl, 2-thienylsulfonylmethyl, phenylsulfonylmethyl, (1-methyl)-1-(phenylsulfonyl)ethyl, 4- 20 chlorophenyl-sulfonylmethyl, 2-furylmethylsulfonylmethyl, methysulfonylmethyl, tert-butyl-sulfonylmethyl, 4-fluorobenzylsulfonylmethyl, 2-thienyl, phenyl substituted with one or more substituents selected from chloro, fluoro, and -O-CH₂-O-, 25 unsubstituted pyridyl, and 4-pyridyl substituted with one or more substituents selected from chloro, fluoro, -NH₂, methoxy, ethoxy, phenoxyethylamino, methylamino, methyl, ethyl, butylamino, isobutylamino, benzylamino, 4- 30 fluorobenzylamino, 2-thienylethylamino, 3-pyridylmethyleamino, 2-pyridylmethyleamino, 2-furylmethyleamino, 4-methoxybenzylamino, diethylamino, cyclopropylmethyleamino, cyclopentylmethyleamino, ethylaminoethylamino, diethylaminoethylamino,

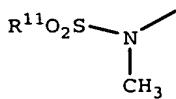
isopropylaminoethylamino, methylcarbonylaminoethylamino,
 methylcarbonylmethylamino, pyrrolidinyl, piperazinyl,
 piperidinyl, morpholinyl and azetidinyl; and
 wherein R⁹ is selected from H, bromo, methyl, amino,
 5 isobutylamino, hydroxymethyl, aminocarbonyl, 4-
 methoxybenzylaminocarbonyl, 2-pyridylmethylaminocarbonyl,
 ethylaminoethylaminocarbonyl,
 isopropylaminoethylaminocarbonyl,
 cyclopropylmethylaminocarbonyl, isobutylaminocarbonyl,
 10 ethoxycarbonyl, tert-butoxycarbonyl, 4-
 morpholinylethoxycarbonyl, 1-pyrrolidinylethoxycarbonyl,
 1-piperidinylethoxycarbonyl, diethylaminopropoxycarbonyl,
 carboxyl, 1,2,5,6-tetrahydro-1-pyridylmethyl, 1-
 piperidinylmethyl, 1-methyl-4-piperazinylmethyl,
 15 methylcarbonylamino, isobutylcarbonylamino, and 1-methyl-
 4-piperazinylcarbonyl; and pharmaceutically acceptable
 derivatives thereof.

11. A compound of Claim 1 having Formula III

20



wherein R⁸ is selected from R¹¹SO₂- (C₁-C₆)alkyl-, R¹¹SO₂NH-



25 , substituted phenyl, and substituted or
 unsubstituted 5-6 membered heteroaryl;
 wherein ring A together with the pyridone ring forms
 optionally substituted 2-oxo-1,5,7,8-tetrahydro-2H-

[1,6]naphthyridine, optionally substituted 5,6,7,8-tetrahydro-1H-[1,6]naphthyridin-2-one, optionally substituted 5,6,7,8-tetrahydro-1H-quinolin-2-one, optionally substituted 5,6,7,8-tetrahydro-1H-[1,7]naphthyridin-2-one, or 1,5,7,8-tetrahydro-pyrano[4,3-b]pyridin-2-one; and
5 wherein R¹¹ is independently selected from (C₁-C₄)alkyl, optionally substituted phenyl, optionally substituted phenyl-(C₁-C₂)alkyl, optionally substituted furyl-(C₁-C₂)-alkyl, optionally substituted C₃-C₆ cycloalkyl-(C₁-C₂)-alkyl, (C₁-C₃)alkylamino-(C₁-C₃)-alkyl-, phenoxy-(C₁-C₃)alkyl, (C₁-C₂)alkylcarbonyl-(C₁-C₂)alkyl, and optionally substituted heterocyclyl selected from pyridyl and
10 thienyl;
15 and pharmaceutically acceptable derivatives thereof.

12. Compound of Claim 11 wherein R⁸ is selected from N-methyl-N-(phenylsulfonyl)amino, 2-pyridylsulfonylmethyl, 2-thienylsulfonylmethyl, phenylsulfonylmethyl, (1-methyl)-1-phenylsulfonyl)ethyl, 4-chlorophenyl-sulfonylmethyl, 2-furylmethylsulfonylmethyl, methylsulfonylmethyl, tert-butylsulfonylmethyl, 4-fluorobenzylsulfonylmethyl, 2-thienyl, phenyl substituted with one or more substituents selected
20 from chloro, fluoro, and -O-CH₂-O-,
25 unsubstituted pyridyl, and
4-pyridyl substituted with one or more substituents selected from chloro, fluoro, -NH₂, methoxy, ethoxy, phenoxyethylamino, methylamino, methyl, ethyl, butylamino, isobutylamino, benzylamino, 4-fluorobenzylamino, 2-thienylethylamino, 3-pyridylmethylamino, 2-pyridylmethylamino, 2-furylmethylamino, 4-methoxybenzylamino, diethylamino, cyclopropylmethylamino, cyclopentylmethylamino, ethylaminoethylamino, diethylaminoethylamino,
30

isopropylaminoethylamino, methylcarbonylaminoethylamino,
 methylcarbonylmethylamino, pyrrolidinyl, piperazinyl,
 piperidinyl, morpholinyl and azetidinyl;
 and pharmaceutically acceptable derivatives thereof.

5

13. Compound of Claim 12 and pharmaceutically
 acceptable derivatives thereof selected from:

Phenylmethyl 2-oxo-3-(2-(4-pyridyl)(1,3-thiazol-4-yl))-

10 1,5,6,7,8-pentahdropyridino[3,2-c]pyridine-6-
 carboxylate;

3-(2-(4-Pyridyl)-1,3-thiazol-4-yl)-1,7,8-trihydro-5H-
 pyrano[4,3-b]pyridin-2-one;

7-Ethyl-3-(2-(4-pyridyl)(1,3-thiazol-4-yl))-1,5,6,7,8-

15 pentahdropyridino[3,2-c]pyridin-2-one;

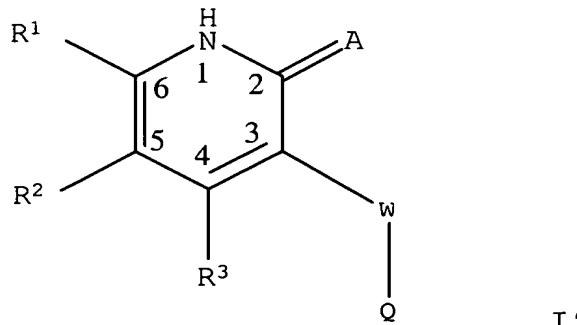
tert-Butyl 2-oxo-3-(2-(4-pyridyl)(1,3-thiazol-4-yl))-
 1,5,6,7,8-pentahdropyridino[3,2-c]pyridine-6-
 carboxylate;

3-(2-(4-Pyridyl)-1,3-thiazol-4-yl)-1,5,6,7,8-

20 pentahdropyridino[3,2-c]pyridin-2-one, dihydrochloride;
 and

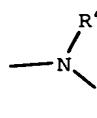
6-Methyl-3-(2-pyridin-4-yl-thiazol-4-yl)-5,6,7,8-tetrahydro-
 1H-[1,6]naphthyridin-2-one.

25 14. A compound of Formula I'



wherein A is O or S;

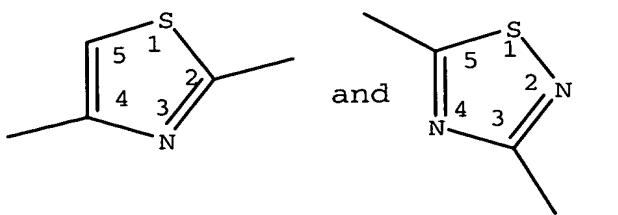
wherein Q is selected from $-N(R^5)_2$, $-NR^5C(O)R^5$, $-(C_1-C_8)alkyl-$



OR^5 , $-(C_1-C_8)alkyl-S(O)nR^6$, substituted aryl, an unsubstituted or substituted monocyclic or bicyclic, non-aromatic carbocyclic ring, an unsubstituted or substituted monocyclic or bicyclic, heteroaryl ring, and an unsubstituted or substituted monocyclic or bicyclic, non-aromatic heterocyclic ring,

5 wherein a ring is unsubstituted or substituted with one or more groups selected from halo, $(C_1-C_8)alkyl$, $(C_2-C_8)alkynyl$, $(C_2-C_8)alkenyl$, $-OR^5$, $-O-(CH_2)_{1-2}-O-$, $-N(R^5)_2$, $-(C_1-C_8)alkyl-N(R^5)_2$, $(C_1-C_8)haloalkyl$, lower cyanoalkyl, $-(C_1-C_8)alkyl-OR^5$, lower alkylaminoalkoxy, lower aminoalkoxyalkyl, $-(C_1-C_8)alkyl-S(O)nR^5$, $-N(R^5)-(C_1-C_8)alkyl-N(R^5)_2$, $-N(R^5)-(C_1-C_8)alkyl-C(O)N(R^5)_2$, lower 15 alkoxyalkyl, $-S(O)nR^5$, $-SO_2NR^5R^5$, $-NR^5S(O)nR^5$, cyano, nitro, optionally substituted $(C_3-C_{10})cycloalkyl$, optionally substituted aryl, optionally substituted 4-7 membered heterocyclyl, optionally substituted phenoxyalkyl, 20 optionally substituted heterocyclyloxyalkyl, $-C(O)N(R^5)_2$, $-CO_2R^5$, $-CO_2N(R^5)_2$, $-SO_2NHC(O)R^5$, optionally substituted phenylalkyl, optionally substituted heterocyclalkyl, $-NR^5C(O)N(R^5)_2$, $-NR^5C(O)R^5$, $-NR^5CO_2R^5$ and $-C(O)R^5$;

25 wherein W is selected from



wherein n is 0, 1 or 2;

wherein R¹ is selected from H, -OR⁶, halo, aryl, (C₁-C₈)alkyl, (C₂-C₈)alkenyl, (C₂-C₈)alkynyl, (C₁-C₈)perfluoroalkyl, -NR⁵₂, -(C₁-C₈)alkyl-NR⁵₂, -(C₁-C₈)alkyl-OR⁵, -S(O)_n-alkyl, -S(O)_n-aryl, -S(O)_n-heteroaryl, (C₃-C₁₀)cycloalkyl, nitro, heterocyclyl, -NR⁵SO₂R⁵, -C(O)N(R⁵)₂, -CO₂R⁵, -(CR⁵₂)₁₋₈aryl, -(CR⁵₂)₁₋₈heterocyclyl, -NR⁵C(O)N(R⁵)₂, -NR⁵C(O)R⁵, -NR⁵CO₂R⁵, and -C(O)R⁵; wherein R¹ and R² may be joined to form a 5-10 membered saturated or partially unsaturated carbocyclic or heterocyclic ring;

wherein R² is selected from H, -OR⁶, halo, aryl, (C₁-C₈)alkyl, (C₂-C₈)alkenyl, (C₂-C₈)alkynyl, (C₁-C₈)perfluoroalkyl, -NR⁵₂, -(C₁-C₈)alkyl-NR⁵₂, -(C₁-C₈)alkyl-OR⁵, -S(O)_n-alkyl, -S(O)_n-aryl, -S(O)_n-heteroaryl, (C₃-C₁₀)cycloalkyl, nitro, heterocyclyl, -NR⁵SO₂R⁵, -C(O)N(R⁵)₂, -CO₂R⁵, -(CR⁵₂)₁₋₈aryl, -(CR⁵₂)₁₋₈heterocyclyl, -NR⁵C(O)N(R⁵)₂, -NR⁵C(O)R⁵, -NR⁵CO₂R⁵, and -C(O)R⁵;

wherein R³ is selected from H, -OR⁶, halo, aryl, (C₁-C₈)alkyl, (C₂-C₈)alkenyl, (C₂-C₈)alkynyl, (C₁-C₈)perfluoroalkyl, -NR⁵₂, -(C₁-C₈)alkyl-NR⁵₂, -(C₁-C₈)alkyl-OR⁵, -S(O)_n-alkyl, -S(O)_n-aryl, -S(O)_n-heteroaryl, (C₃-C₁₀)cycloalkyl, nitro, heterocyclyl, -NR⁵SO₂R⁵, -C(O)N(R⁵)₂, -CO₂R⁵, -(CR⁵₂)₁₋₈aryl, -(CR⁵₂)₁₋₈heterocyclyl, -NR⁵C(O)N(R⁵)₂, -NR⁵C(O)R⁵, -NR⁵CO₂R⁵, and -C(O)R⁵; wherein R² and R³ may be joined to form a 5-10 membered saturated or partially unsaturated carbocyclic or heterocyclic ring;

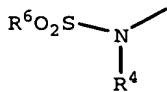
wherein R⁴ is independently selected from H, and (C₁-C₆)alkyl;

wherein R⁵ is independently selected from H, lower alkyl, optionally substituted aryl, optionally substituted aralkyl, optionally substituted heterocyclyl, optionally substituted heterocyclalkyl, optionally substituted C₃-C₆ cycloalkyl, optionally substituted C₃-C₆ cycloalkyl-alkyl, lower aminoalkyl, aryl-(C₁-C₆)alkylamino-(C₁-C₆)alkyl.

C_6)alkyl, (C_1-C_6) alkylamino- (C_1-C_6) alkyl, aryloxyalkyl, alkylcarbonylalkyl, and lower perfluoroalkyl; and wherein R^6 is independently selected from lower alkyl, 5 optionally substituted aryl, optionally substituted aryl- (C_1-C_6) alkyl, optionally substituted heterocyclyl, optionally substituted heterocyclyl- (C_1-C_6) alkyl, optionally substituted C_3-C_6 cycloalkyl, optionally substituted C_3-C_6 cycloalkyl- (C_1-C_6) alkyl, (C_1-C_6) alkylamino- (C_1-C_6) alkyl, aryloxy- (C_1-C_6) alkyl, (C_1-C_6) alkylcarbonyl- (C_1-C_6) alkyl, and lower perfluoroalkyl; 10 wherein each aryl, heteroaryl, cycloalkyl, and heterocyclyl moiety of any R^1 , R^2 , R^3 , R^5 , R^6 , and Q is optionally substituted with one or more groups selected from halo, -NH₂, -OH, oxo, -CO₂H, (C_1-C_6) alkylamino, (C_1-C_6) alkoxy, 15 (C_1-C_6) alkoxyalkyl, (C_1-C_6) alkyl, di(C_1-C_6)alkylamino, phenyl, and heterocyclyl; and pharmaceutically acceptable derivatives thereof;

provided R^1 is not CF₃ when R^2 is ethoxycarbonyl, when R^3 is H, when W is thiazol-4-yl and when Q is 4-pyridyl or 2-chloro-4-pyridyl; further provided Q is not 4-pyridyl, when W is thiazol-2-yl, when R^1 , R^3 , and R^2 are H; further provided Q is not 2-nitro-5-furyl when W is thiazol-2-yl, when R^1 is methyl, when R^3 is H, and when R^2 is H; further 25 provided Q is not phenyl when W is thiazol-2-yl, when R^1 is methyl, when R^3 is methyl, and when R^2 is H; further provided Q is not phenyl, 3,4-diacetylphenyl or 3,4-dihydroxyphenyl, when W is thiazol-2-yl, when R^1 is H, when R^3 is H, and when R^2 is H; and further provided Q is not 3-cyano-6-methyl-2-oxo-1,2-dihydro-5-pyridyl, when W is thiazol-2-yl, when R^1 is methyl, when R^3 is H, and when R^2 is acetyl.

15. Compound of Claim 14 wherein Q is selected from



R^6SO_2- (C₁-C₆)alkyl-, R⁴, substituted phenyl, and
substituted or unsubstituted 5-6 membered heteroaryl;
wherein R⁴ is independently selected from H, and (C₁-
C₂)alkyl; and
5 wherein R⁶ is independently selected from (C₁-C₄)alkyl,
optionally substituted phenyl, optionally substituted
phenyl-(C₁-C₂)alkyl, optionally substituted furyl-(C₁-C₂)-
alkyl, optionally substituted C₃-C₆ cycloalkyl-(C₁-C₂)-
alkyl, (C₁-C₃)alkylamino-(C₁-C₃)-alkyl-, phenoxy-(C₁-
10 C₃)alkyl-, (C₁-C₂)alkylcarbonyl-(C₁-C₂)alkyl- and
optionally substituted heterocyclyl selected from pyridyl
and thienyl; and pharmaceutically acceptable derivatives
thereof.

15 16. Compound of Claim 15 wherein Q is selected from
phenylsulfonylamino, N-methyl-N-(2-pyridylsulfonyl)amino, N-
methyl-N-(3-pyridylsulfonyl)amino, N-methyl-N-(4-
pyridylsulfonyl)amino, N-methyl-N-(2-thienylsulfonyl)amino,
N-methyl-N-(phenylsulfonyl)amino, 2-pyridylsulfonylmethyl,
20 3-pyridylsulfonylmethyl, 4-pyridylsulfonylmethyl, 2-
thienylsulfonylmethyl, 3-thienylsulfonylmethyl,
phenylsulfonylmethyl, (1-methyl)-1-(phenylsulfonyl)ethyl, 4-
chlorophenyl-sulfonylmethyl, 2-furylmethylsulfonylmethyl, 3-
trifluoromethylbenzyl-sulfonylmethyl, methylsulfonylmethyl,
25 tert-butyl-sulfonylmethyl, 4-fluorobenzylsulfonylmethyl, 4-
chlorophenyl-methylsulfonylmethyl, 2-thienyl, 3-(4-
chlorophenylsulfonylmethyl)-2-thienyl, phenyl substituted
with one or more substituents selected from
hydroxyl, chloro, fluoro, methoxy, -O-CH₂-O-, amino,
30 aminomethyl, methylsulfonyl, methyl, cyano,
trifluoromethyl, and pyrrolyl,
unsubstituted pyridyl, and

4-pyridyl substituted with one or more substituents selected from chloro, fluoro, methyl, ethyl, -NH₂, methoxy, ethoxy, -OH, -CO₂H, phenoxyethylamino, methylamino, dimethylamino, butylamino, isobutylamino, benzylamino, 4-
5 fluorobenzylamino, 2-thienylethylamino, 3-pyridylmethylamino, 2-pyridylmethylamino, 2-furylmethylamino, 4-methoxybenzylamino, diethylamino, cyclopropylmethylamino, cyclopentylmethylamino, ethylaminoethylamino, diethylaminoethylamino,
10 isopropylaminoethylamino, methylcarbonylaminoethylamino, methylcarbonylmethylamino, pyrrolidinyl, piperazinyl, piperidinyl, morpholinyl and azetidinyl; and pharmaceutically acceptable derivatives thereof.

15 17. Compound of Claim 14, and pharmaceutically acceptable derivatives thereof, wherein W is thiazol-4-yl.

18. Compound of Claim 14 wherein R¹ is selected from (C₁-C₆)alkyl, -(C₁-C₄)alkyl-N(R⁵)₂, -(C₁-C₄)alkyl-OR⁵, (C₃-C₅)cycloalkyl and -CF₃; wherein R⁵ is independently selected from H, C₁-C₅-alkyl, optionally substituted phenyl, optionally substituted benzyl, optionally substituted pyridyl-(C₁-C₃)-alkyl, optionally substituted thienyl-(C₁-C₃)-alkyl, optionally substituted piperazinyl-(C₁-C₃)-alkyl,
20 4-morpholinyl-(C₁-C₃)-alkyl, optionally substituted pyrrolidinyl-(C₁-C₃)-alkyl, optionally substituted piperidinyl-(C₁-C₃)-alkyl, optionally substituted C₃-C₆ cycloalkyl-(C₁-C₃)-alkyl, amino-(C₁-C₄)-alkyl-, benzylamino-(C₁-C₃)-alkyl-, [N-(C₁-C₃)-alkyl-N-benzylamino]-(C₁-C₃)-alkyl-, -(C₁-C₃)-alkyl-N-((C₁-C₃)-alkyl)₂, -(C₁-C₃)-alkyl-NH-(C₁-C₃)-alkyl and optionally substituted heterocyclyl selected from piperazinyl, morpholinyl, pyrrolidinyl and piperidinyl; and
25 pharmaceutically acceptable derivatives thereof.

19. Compound of Claim 18 wherein R¹ is selected from methyl, ethyl, propyl, isopropyl, dimethylaminomethyl, 1-pyrrolidinyl, benzylloxymethyl, benzylxyethyl, hydroxyethyl, 4-methoxy-benzylloxymethyl, methoxymethyl, 5 cyclopropyl and -CF₃; and pharmaceutically acceptable derivatives thereof.

20. Compound of Claim 14 wherein R² is selected from H, halo, (C₁-C₃)alkyl, -NR⁵₂, -OR⁶, -(C₁-C₃)alkyl-OR⁵, -(C₁-C₃)alkyl-NR⁵₂, -C(O)N(R⁵)₂, -CO₂R⁵, -(CH₂)₁₋₃-(5-6 membered 10 saturated or partially unsaturated) heterocyclyl, 5-6 membered saturated or partially unsaturated heterocyclyl, -NHC(O)R⁵, and -C(O)R⁵; wherein R⁵ is independently selected from H, C₁-C₅-alkyl, optionally substituted phenyl, 15 optionally substituted benzyl, optionally substituted pyridyl-(C₁-C₃)-alkyl, optionally substituted thienyl-(C₁-C₃)-alkyl, optionally substituted piperazinyl-(C₁-C₃)-alkyl, 4-morpholinyl-(C₁-C₃)-alkyl, optionally substituted pyrrolidinyl-(C₁-C₃)-alkyl, optionally substituted 20 piperidinyl-(C₁-C₃)-alkyl, optionally substituted C₃-C₆ cycloalkyl-(C₁-C₃)-alkyl, amino-(C₁-C₄)-alkyl-, benzylamino-(C₁-C₃)-alkyl-, [N-(C₁-C₃)-alkyl-N-benzylamino]-(C₁-C₃)-alkyl-, -(C₁-C₃)-alkyl-N-((C₁-C₃)-alkyl)₂, -(C₁-C₃)-alkyl-NH-(C₁-C₃)-alkyl and optionally substituted heterocyclyl selected from 25 piperazinyl, morpholinyl, pyrrolidinyl and piperidinyl; and pharmaceutically acceptable derivatives thereof.

21. Compound of Claim 20 wherein R² is selected from H, bromo, methyl, hydroxymethyl, 1,2,5,6-tetrahydro-1-pyridylmethyl, 1-piperidinylmethyl, 1-methyl-4-piperazinylmethyl, (N-diethylaminoethyl-N-methyl)aminomethyl, (N-dimethylaminoethyl-N-ethyl)aminomethyl, 4,5-dihydro-oxazol-2-yl, 5-methyl-4,5-dihydro-oxazol-2-yl, 2-furyl, amino, isobutylamino, 3-

methylbutylamino, ethylcarbonyl, aminocarbonyl, 4-methoxybenzylaminocarbonyl, 2-pyridylmethylaminocarbonyl, 4-pyridylmethylaminocarbonyl, dimethylaminocarbonyl, ethylaminoethylaminocarbonyl,

5 isopropylaminoethylaminocarbonyl, cyclopropylmethylaminocarbonyl, isobutylaminocarbonyl, ethoxycarbonyl, propoxycarbonyl, 1-methylpropoxycarbonyl, butoxycarbonyl, iso-butoxycarbonyl, tert-butoxycarbonyl, 2-thienylethoxycarbonyl, 4-morpholinylethoxycarbonyl, (4-

10 piperidinyl)methoxycarbonyl, (1-piperazinyl)ethoxycarbonyl, (1-methyl-piperidin-3-yl)oxycarbonyl, (1-methyl-piperidin-4-yl)oxycarbonyl, (1-ethyl-piperidin-3-yl)oxycarbonyl, (1-methyl-pyrrolidin-3-yl)oxycarbonyl, 1-pyrrolidinylethoxycarbonyl, 2-oxo-pyrrolidin-1-

15 ylethoxycarbonyl, 2-oxo-pyrrolidin-1-ylpropoxycarbonyl, 1-methyl-2-pyrrolidinylethoxycarbonyl, 1-piperidinylethoxycarbonyl, diethylaminoethoxycarbonyl, di-isopropylaminoethoxycarbonyl, (N-ethyl-N-benzylamino)ethoxycarbonyl, diethylaminopropoxycarbonyl,

20 dimethylaminoethoxycarbonyl, 2-(dimethylamino)-1-(methyl)ethoxycarbonyl, 2-(diethylamino)-1-(methyl)ethoxycarbonyl, carboxyl, methylcarbonylamino, isobutylcarbonylamino, methylaminomethylcarbonylamino, dimethylaminomethylcarbonylamino, tert-

25 butylaminomethylcarbonylamino, (1-amino-2-methylpropyl)carbonylamino, 1-piperidinylmethylcarbonylamino, 1-piperidinylethylcarbonylamino, 1-piperidinylpropylcarbonylamino, aminomethylcarbonylamino and

30 1-methyl-4-piperazinylcarbonyl; and pharmaceutically acceptable derivatives thereof.

22. Compound of Claim 14 wherein R¹ and R² may be joined together with the pyridone ring to form optionally

substituted 2-oxo-1,5,7,8-tetrahydro-2H-[1,6]naphthyridine,
optionally substituted 5,6,7,8-tetrahydro-1H-[1,6]naphthyridin-2-one, optionally substituted 5,6,7,8-tetrahydro-1H-[1,7]naphthyridin-2-one, optionally
5 substituted 5,6,7,8-tetrahydro-1H-quinolin-2-one, optionally substituted 7,8-dihydro-1H-quinolin-2-one, 7,8-dihydro-(1H,6H)-quinoline-2,5-dione or 1,5,7,8-tetrahydro-pyrano[4,3-b]pyridin-2-one; and pharmaceutically acceptable derivatives thereof.

10

23. Compound of Claim 22, wherein R¹ and R² are joined together with the pyridone ring to form 6-benzyloxycarbonyl-2-oxo-1,5,7,8-tetrahydro-2H-[1,6]naphthyridine, 5,6,7,8-tetrahydro-1H-[1,6]naphthyridin-2-one, 7-Boc-5,6,7,8-tetrahydro-1H-[1,7]naphthyridin-2-one, 7-ethyl-5,6,7,8-tetrahydro-1H-[1,7]naphthyridin-2-one, 5-methyl-7,8-dihydro-1H-quinolin-2-one, 5-propylamino-5,6,7,8-tetrahydro-1H-quinolin-2-one, 5-propylimino-5,6,7,8-tetrahydro-1H-quinolin-2-one, 7,8-dihydro-(1H,6H)-quinoline-2,5-dione or 1,5,7,8-tetrahydro-pyrano[4,3-b]pyridin-2-one; and pharmaceutically acceptable derivatives thereof.

25

24. Compound of Claim 14 wherein R³ is H; and pharmaceutically acceptable derivatives thereof.

25. Compound of Claim 14 wherein A is O; and pharmaceutically acceptable derivatives thereof.

30

26. Compound of Claim 14, and pharmaceutically acceptable derivatives thereof, wherein A is O; wherein Q is selected from N-methyl-N-(phenylsulfonyl)amino, 2-pyridylsulfonylmethyl, 2-thienylsulfonylmethyl, phenylsulfonylmethyl, (1-methyl)-1-(phenylsulfonyl)ethyl, 4-chlorophenyl-sulfonylmethyl, 2-furylmethylsulfonylmethyl,

methylsulfonylmethyl, tert-butyl-sulfonylmethyl, 4-fluorobenzylsulfonylmethyl, 2-thienyl, phenyl substituted with one or more substituents selected from

chloro, fluoro, and -O-CH₂-O-,

5 unsubstituted pyridyl, and

4-pyridyl substituted with one or more substituents selected from chloro, fluoro, -NH₂, methoxy, ethoxy, methyl, ethyl, phenoxyethylamino, methylamino, dimethylamino, butylamino, isobutylamino, benzylamino, 4-fluorobenzylamino, 2-thienylethylamino, 3-pyridylmethylethylamino, 2-pyridylmethylethylamino, 2-furylmethylethylamino, 4-methoxybenzylamino, diethylamino, cyclopropylmethylethylamino, cyclopentylmethylethylamino, ethylaminoethylamino, diethylaminoethylamino, isopropylaminoethylamino, methylcarbonylaminoethylamino, methylcarbonylmethylethylamino, pyrrolidinyl, piperazinyl, piperidinyl, morpholinyl and azetidinyl;

wherein R¹ is selected from methyl, ethyl, propyl, isopropyl, dimethylaminomethyl, hydroxyethyl,

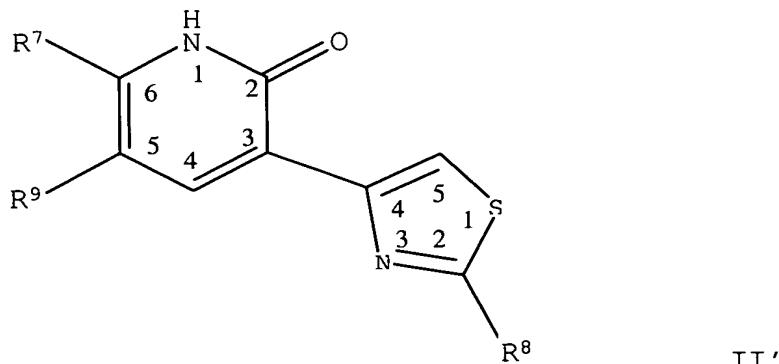
20 benzyloxymethyl, 4-methoxy-benzyloxymethyl, methoxymethyl, cyclopropyl, and -CF₃;

wherein R² is selected from H, bromo, methyl, amino, isobutylamino, hydroxymethyl, aminocarbonyl, 4-methoxybenzylaminocarbonyl, 2-pyridylmethylethylaminocarbonyl,

25 ethylaminoethylaminocarbonyl, isopropylaminoethylaminocarbonyl, cyclopropylmethylethylaminocarbonyl, isobutylaminocarbonyl, ethoxycarbonyl, tert-butoxycarbonyl, 4-morpholinylethoxycarbonyl, 1-pyrrolidinylethoxycarbonyl, 1-piperidinylethoxycarbonyl, diethylaminopropoxycarbonyl, carboxyl, 1,2,5,6-tetrahydro-1-pyridylmethyl, 1-piperidinylmethyl, 1-methyl-4-piperazinylmethyl, methylcarbonylamino, isobutylcarbonylamino, and 1-methyl-4-piperazinylcarbonyl;

wherein R¹ and R² may be joined together with the pyridone ring to form 6-benzyloxycarbonyl-2-oxo-1,5,7,8-tetrahydro-2H-[1,6]naphthyridine, 5,6,7,8-tetrahydro-1H-[1,6]naphthyridin-2-one, 7-Boc-5,6,7,8-tetrahydro-1H-[1,7]naphthyridin-2-one, 7-ethyl-5,6,7,8-tetrahydro-1H-[1,7]naphthyridin-2-one, 5-methyl-7,8-dihydro-1H-quinolin-2-one, 5-propylamino-5,6,7,8-tetrahydro-1H-quinolin-2-one, 5-propylimino-5,6,7,8-tetrahydro-1H-quinolin-2-one, 7,8-dihydro-(1H,6H)-quinoline-2,5-dione or 1,5,7,8-tetrahydro-pyrano[4,3-b]pyridin-2-one; and wherein R³ is H.

27. A compound of Claim 14 having Formula II'



15

wherein R⁷ is selected from -(C₁-C₃)alkyl, -(C₁-C₃)alkyl-N(R¹⁰)₂, -(C₁-C₃)alkyl-OR¹⁰, -(C₃-C₅)cycloalkyl, and -CF₃; wherein R⁸ is selected from R¹⁰SO₂-(C₁-C₆)alkyl-, R¹¹SO₂NH-R¹¹O₂S-CH₃, substituted phenyl, and substituted or unsubstituted 5-6 membered heteroaryl; wherein R⁹ is selected from H, halo, (C₁-C₃)alkyl, -NR¹⁰₂, -(C₁-C₃)alkyl-OR¹⁰, -C(O)N(R¹⁰)₂, -CO₂R¹⁰, (CH₂)₁₋₃-(5-6 membered saturated or partially unsaturated heterocyclyl, -NHC(O)R¹⁰, and -C(O)R¹⁰;

20

25

wherein R¹⁰ is independently selected from H, (C₁-C₄)alkyl, optionally substituted phenyl, optionally substituted phenyl-(C₁-C₂)alkyl, optionally substituted furyl-(C₁-C₂)-

5 alkyl, optionally substituted C₃-C₆ cycloalkyl-(C₁-C₂)-alkyl, (C₁-C₃)alkylamino-(C₁-C₃)-alkyl-, phenoxy-(C₁-C₃)alkyl-, (C₁-C₂)alkylcarbonyl-(C₁-C₂)alkyl- and optionally substituted heterocyclyl selected from pyridyl and thienyl; and

wherein R¹¹ is independently selected from (C₁-C₄)alkyl,

10 optionally substituted phenyl, optionally substituted phenyl-(C₁-C₂)alkyl, optionally substituted furyl-(C₁-C₂)-alkyl, optionally substituted C₃-C₆ cycloalkyl-(C₁-C₂)-alkyl, (C₁-C₃)alkylamino-(C₁-C₃)-alkyl-, phenoxy-(C₁-C₃)alkyl-, (C₁-C₂)alkylcarbonyl-(C₁-C₂)alkyl, and

15 optionally substituted heterocyclyl selected from pyridyl and thienyl;

and pharmaceutically acceptable derivatives thereof;

provided R⁷ is not CF₃ when R⁹ is ethoxycarbonyl and when R⁸ is 4-pyridyl or 2-chloro-4-pyridyl.

20

28. Compound of Claim 27 wherein R⁷ is selected from methyl, ethyl, propyl, isopropyl, dimethylaminomethyl, 1-pyrrolidinylmethyl, benzyloxymethyl, benzyloxyethyl, hydroxyethyl, 4-methoxy-benzyloxymethyl, methoxymethyl,

25 cyclopropyl and -CF₃; wherein R⁸ is selected from N-methyl-N-(phenylsulfonyl)amino, 2-pyridylsulfonylmethyl, 2-thienylsulfonylmethyl, phenylsulfonylmethyl, (1-methyl)-1-(phenylsulfonyl)ethyl, 4-chlorophenyl-sulfonylmethyl, 2-furylmethylsulfonylmethyl, methylsulfonylmethyl, tert-butyl-

30 sulfonylmethyl, 4-fluorobenzylsulfonylmethyl, 2-thienyl, phenyl substituted with one or more substituents selected from

chloro, fluoro, and -O-CH₂-O-, unsubstituted pyridyl, and

4-pyridyl substituted with one or more substituents selected from chloro, fluoro, -NH₂, methoxy, ethoxy, methyl, ethyl, phenoxyethylamino, methylamino, butylamino, isobutylamino, dimethylamino, benzylamino, 4-fluorobenzylamino, 2-thienylethylamino, 3-pyridylmethylamino, 2-pyridylmethylamino, 2-furymethylamino, 4-methoxybenzylamino, diethylamino, cyclopropylmethylamino, cyclopentylmethylamino, ethylaminoethylamino, diethylaminoethylamino, isopropylaminoethylamino, methylcarbonylaminoethylamino, methylcarbonylmethylamino, pyrrolidinyl, piperazinyl, piperidinyl, morpholinyl and azetidinyl; and wherein R⁹ is selected from H, bromo, methyl, hydroxymethyl, 1,2,5,6-tetrahydro-1-pyridylmethyl, 1-piperidinylmethyl, 1-methyl-4-piperazinylmethyl, (N-diethylaminoethyl-N-methyl)aminomethyl, (N-dimethylaminoethyl-N-ethyl)aminomethyl, 4,5-dihydro-oxazol-2-yl, 5-methyl-4,5-dihydro-oxazol-2-yl, 2-furyl, amino, isobutylamino, 3-methylbutylamino, ethylcarbonyl, aminocarbonyl, 4-methoxybenzylaminocarbonyl, 2-pyridylmethylaminocarbonyl, 4-pyridylmethylaminocarbonyl, dimethylaminocarbonyl, ethylaminoethylaminocarbonyl, isopropylaminoethylaminocarbonyl, cyclopropylmethylaminocarbonyl, isobutylaminocarbonyl, ethoxycarbonyl, propoxycarbonyl, 1-methylpropoxycarbonyl, butoxycarbonyl, iso-butoxycarbonyl, tert-butoxycarbonyl, 2-thienylethoxycarbonyl, 4-morpholinylethoxycarbonyl, (4-piperidinyl)methoxycarbonyl, (1-piperidinyl)ethoxycarbonyl, (1-piperazinyl)ethoxycarbonyl, (1-methyl-piperidin-3-yl)oxycarbonyl, (1-methyl-piperidin-4-yl)oxycarbonyl, (1-ethyl-piperidin-3-yl)oxycarbonyl, (1-methyl-pyrrolidin-3-yl)oxycarbonyl, 1-pyrrolidinylethoxycarbonyl, 2-oxo-pyrrolidin-1-ylethoxycarbonyl, 2-oxo-pyrrolidin-1-

ylpropoxycarbonyl, 1-methyl-2-pyrrolidinylethoxycarbonyl,
1-piperidinylethoxycarbonyl, diethylaminoethoxycarbonyl,
di-isopropylaminoethoxycarbonyl, (N-ethyl-N-
benzylamino)ethoxycarbonyl, diethylaminopropoxycarbonyl,
5 dimethylaminoethoxycarbonyl, 2-(dimethylamino)-1-
(methyl)ethoxycarbonyl, 2-(diethylamino)-1-
(methyl)ethoxycarbonyl, carboxyl, methylcarbonylamino,
isobutylcarbonylamino, methylaminomethylcarbonylamino,
dimethylaminomethylcarbonylamino, tert-
10 butylaminomethylcarbonylamino, (1-amino-2-
methylpropyl)carbonylamino, 1-
piperidinylmethylcarbonylamino, 1-
piperidinylethylcarbonylamino, 1-
piperidinylpropylcarbonylamino, aminomethylcarbonylamino
15 and 1-methyl-4-piperazinylcarbonyl; and pharmaceutically
acceptable derivatives thereof.

29. Compound of Claim 27 wherein R⁷ is selected from
methyl, ethyl, propyl, and isopropyl.

20 30. Compound of Claim 27 wherein R⁸ is selected from
phenylsulfonylmethyl and 4-pyridyl substituted with one or
more substituents selected from chloro, fluoro, -NH₂,
methoxy, ethoxy, phenoxyethylamino, methylamino,
25 dimethylamino, methyl, ethyl, butylamino, isobutylamino,
benzylamino, 4-fluorobenzylamino, 2-thienylethylamino, 3-
pyridylmethylamino, 2-pyridylmethylamino, 2-
furylmethylamino, 4-methoxybenzylamino, diethylamino,
cyclopropylmethylamino, cyclopentylmethylamino,
30 ethylaminoethylamino, diethylaminoethylamino,
isopropylaminoethylamino, methylcarbonylaminoethylamino,
methylcarbonylmethylamino, pyrrolidinyl, piperazinyl,
piperidinyl, morpholinyl and azetidinyl.

31. Compound of Claim 27 wherein R⁹ is selected from methyl, hydroxymethyl, 1,2,5,6-tetrahydro-1-pyridylmethyl, 1-piperidinylmethyl, 1-methyl-4-piperazinylmethyl, (N-diethylaminoethyl-N-methyl)aminomethyl, (N-dimethylaminoethyl-N-ethyl)aminomethyl, 4,5-dihydro-oxazol-2-yl, 5-methyl-4,5-dihydro-oxazol-2-yl, 2-furyl, amino, isobutylamino, 3-methylbutylamino, ethylcarbonyl, aminocarbonyl, 4-methoxybenzylaminocarbonyl, 2-pyridylmethylaminocarbonyl, 4-pyridylmethyleaminocarbonyl, 10 dimethylaminocarbonyl, ethylaminoethylaminocarbonyl, isopropylaminoethylaminocarbonyl, cyclopropylmethylaminocarbonyl, isobutylaminocarbonyl, ethoxycarbonyl, propoxycarbonyl, 1-methylpropoxycarbonyl, butoxycarbonyl, iso-butoxycarbonyl, tert-butoxycarbonyl, 2-thienylethoxycarbonyl, 4-morpholinylethoxycarbonyl, (4-piperidinyl)methoxycarbonyl, (1-piperidinyl)ethoxycarbonyl, (1-piperazinyl)ethoxycarbonyl, (1-methyl-piperidin-3-yl)oxycarbonyl, (1-methyl-piperidin-4-yl)oxycarbonyl, (1-ethyl-piperidin-3-yl)oxycarbonyl, (1-methyl-pyrrolidin-3-yl)oxycarbonyl, 1-pyrrolidinylethoxycarbonyl, 2-oxo-pyrrolidin-1-ylpropoxycarbonyl, 1-methyl-2-pyrrolidinylethoxycarbonyl, 1-piperidinylethoxycarbonyl, diethylaminoethoxycarbonyl, di-isopropylaminoethoxycarbonyl, (N-ethyl-N-benzylamino)ethoxycarbonyl, diethylaminopropoxycarbonyl, 25 dimethylaminoethoxycarbonyl, 2-(dimethylamino)-1-(methyl)ethoxycarbonyl, 2-(diethylamino)-1-(methyl)ethoxycarbonyl, carboxyl, methylcarbonylamino, isobutylcarbonylamino, methylaminomethylcarbonylamino, 30 dimethylaminomethylcarbonylamino, tert-butylaminomethylcarbonylamino, (1-amino-2-methylpropyl)carbonylamino, 1-piperidinylmethylcarbonylamino, 1-piperidinylethylcarbonylamino, 1-

piperidinylpropylcarbonylamino, aminomethylcarbonylamino and 1-methyl-4-piperazinylcarbonyl; and pharmaceutically acceptable derivatives thereof.

5 32. Compound of Claim 27 and pharmaceutically acceptable derivatives thereof selected from:

6-Isopropyl-5-methyl-3-(2-pyridin-4-yl-thiazol-4-yl)-1H-pyridin-2-one;

10 6-Ethyl-5-isopropionyl-3-(2-pyridin-4-yl-thiazol-4-yl)-1H-pyridin-2-one;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-(2-oxo-pyrrolidin-1-yl)-ethyl ester;

15 2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-diethylamino-ethyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-pyrrolidin-1-yl-ethyl ester;

20 2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-diethylamino-1-methyl-ethyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 1-ethyl-piperidin-3-yl-ester;

25 2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-dimethylamino-ethyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-dimethylamino-1-methyl-ethyl ester;

30 2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-dimethylamino-1-methyl-ethyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 1-methyl-piperidin-3-yl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 1-ethyl-pyrrolidin-3-yl ester;

5-(2-Benzenesulfonylmethyl-thiazol-4-yl)-2-isopropyl-6-oxo-1,6-pyridine-3-carboxylic acid 2-diethylamino-ethyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid piperidin-4-ylmethyl ester;

5-(2-Benzenesulfonylmethyl-thiazol-4-yl)-2-isopropyl-6-oxo-1,6-pyridine-3-carboxylic acid 2-diethylamino-1-methyl-ethyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-(benzyl-methyl-amino)-ethyl ester;

5-(2-Benzenesulfonylmethyl-thiazol-4-yl)-2-isopropyl-6-oxo-1,6-pyridine-3-carboxylic acid 2-diethylamino-propyl ester;

5-(2-Benzenesulfonylmethyl-thiazol-4-yl)-2-isopropyl-6-oxo-1,6-pyridine-3-carboxylic acid 2-(1-methyl-pyrrolidin-2-yl)-ethyl ester;

25 5-[2-(2-Dimethylamino-pyridin-4-yl)-thiazol-4-yl]-2-isopropyl-6-oxo-1,6-dihydro-pyridine-3-carboxylic acid ethyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-piperazin-1-yl-ethyl ester;

30 2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-(2-oxo-pyrrolidin-1-yl)-propyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 1-methyl-pyrrolidin-3-yl ester;

3-(2-Benzenesulfonylmethyl-thiazol-4-yl)-6-isopropyl-5-methyl-1H-pyridin-2-one;

3-(2-Benzenesulfonylmethyl-thiazol-4-yl)-6-ethyl-5-propionyl-1H-pyridin-2-one;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-morpholin-4-yl-ethyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid phenethyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid piperidin-4-ylmethyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-thiophen-2-yl-ethyl ester;

5-(4,5-Dihydro-oxazol-2-yl)-6-isopropyl-3-(2-pyridin-4-yl-thiazol-4-yl)-1H-pyridin-2-one;

5-{{(2-Dimethylamino-ethyl)-ethyl-amino}-methyl}-6-ethyl-3-(2-pyridin-4-yl-thiazol-4-yl)-1H-pyridin-2-one;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-piperidin-1-yl-ethyl ester;

5-{{(2-Diethylamino-ethyl)-methyl-amino}-methyl}-6-ethyl-3-(2-pyridin-4-yl-thiazol-4-yl)-1H-pyridin-2-one;

2-(2-Hydroxy-ethyl)-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid ethyl ester;

2-Amino-N-[2-ethyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridin-3-yl]-acetamide;

2-tert-Butylamino-N-[2-ethyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridin-3-yl]-acetamide;

6-Ethyl-5-(3-methyl-butylamino)-3-(2-pyridin-4-yl-thiazol-4-yl)-1H-pyridin-2-one;

Ethyl 2-ethyl-6-oxo-5-(2-(4-pyridinyl)-1,3-thiazol-4-yl)-

5 1,6-dihydro-pyridine-3-carboxylate;

Ethyl-2-ethyl-6-oxo-5-{2-[(thienylsulfonyl)methyl](1,3-thiazol-4-yl)}-1,6-dihydro-pyridine-3-carboxylate;

Ethyl-2-ethyl-6-oxo-5-{2-[(phenylsulfonyl)methyl](1,3-thiazol-4-yl)}-1,6-dihydro-pyridine-3-carboxylate;

10 Ethyl-6-oxo-5-{2-[(phenylsulfonyl)methyl](1,3-thiazol-4-yl)}-2-(trifluoromethyl)-1,6-dihydro-pyridine-3-carboxylate;

Ethyl-6-oxo-5-{2-[(2-pyridylsulfonyl)methyl](1,3-thiazol-4-yl)}-2-(trifluoromethyl)-1,6-dihydro-pyridine-3-

15 carboxylate;

Ethyl-6-oxo-5-{2-[(2-thienylsulfonyl)methyl](1,3-thiazol-4-yl)}-2-(trifluoromethyl)-1,6-dihydro-pyridine-3-carboxylate;

20 Ethyl 2-isopropyl-6-oxo-5-(2-(4-pyridyl)(1,3-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylate;

Ethyl 2-isopropyl-6-oxo-5-{2-[(thienylsulfonyl)methyl](1,3-thiazol-4-yl)}-1,6-dihydro-pyridine-3-carboxylate;

Ethyl 2-isopropyl-6-oxo-5-{2-[(phenylsulfonyl)methyl](1,3-thiazol-4-yl)}-1,6-dihydro-pyridine-3-carboxylate;

25 Ethyl 2-propyl-6-oxo-5-(2-(4-pyridyl)(1,3-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylate;

Ethyl 2-propyl-6-oxo-5-{2-[(phenylsulfonyl)methyl](1,3-thiazol-4-yl)}-1,6-dihydro-pyridine-3-carboxylate;

Ethyl 2-propyl-6-oxo-5-{2-[(thienylsulfonyl)methyl](1,3-thiazol-4-yl)}-1,6-dihydro-pyridine-3-carboxylate;

30 Ethyl 6-oxo-2-[(phenylmethoxy)methyl]-5-(2-(4-pyridyl)(1,3-thiazol-4-yl))-1,6-dihydro-pyridine-3-carboxylate;

Ethyl 6-oxo-2-[(phenylmethoxy)methyl]-5-{2-[(phenylsulfonyl)methyl] (1,3-thiazol-4-yl)}-1,6-dihydropyridine-3-carboxylate;

Ethyl 2-methyl-6-oxo-5-{2-[(2-thienylsulfonyl)methyl] (1,3-thiazol-4-yl)}-1,6-dihydropyridine-3-carboxylate;

Ethyl 5-[2-({[(4-fluorophenyl)methyl]sulfonyl}methyl] (1,3-thiazol-4-yl)]-2-methyl-6-oxo-1,6-dihydropyridine-3-carboxylate;

Ethyl 5-[2-({[(4-fluorophenyl)methyl]sulfonyl}methyl] (1,3-thiazol-4-yl)]-2-methyl-6-oxo-1,6-dihydropyridine-3-carboxylate;

(Ethyl 2-methyl-6-oxo-5-{2-[(2-thienylsulfonyl)methyl]methyl} (1,3-thiazol-4-yl)}-1,6-dihydropyridine-3-carboxylate;

15 Ethyl 2-methyl-6-oxo-5-{2-(phenylthiomethyl) (1,3-thiazol-4-yl)}-1,6-dihydropyridine-3-carboxylate;

Ethyl 5-[2-(2-chloro(4-pyridyl)) (1,3-thiazol-4-yl)-2-methyl-6-oxo-1,6-dihydropyridine-3-carboxylate;

Ethyl 5-(2-{{(2-furylmethyl)sulfonyl}methyl} (1,3-thiazol-4-yl))-2-methyl-6-oxo-1,6-dihydropyridine-3-carboxylate;

Ethyl 5-(2-{{(2-furylmethyl)sulfonyl}methyl} (1,3-thiazol-4-yl))-2-methyl-6-oxo-1,6-dihydropyridine-3-carboxylate

Ethyl 5-[2-(2-ethyl(4-pyridyl)) (1,3-thiazol-4-yl)-2-methyl-6-oxo-1,6-dihydropyridine-3-carboxylate;

25 Ethyl 2-methyl-5-(2-((2-methylpropyl)amino)-4-pyridinyl)-1,3-thiazol-4-yl)-6-oxo-1,6-dihydropyridine-3-carboxylate;

Ethyl 2-methyl-6-oxo-5-(2-((3-pyridinylmethyl)amino)-4-pyridinyl)-1,3-thiazol-4-yl)-1,6-dihydropyridine-3-carboxylate;

30 Ethyl 2-methyl-6-oxo-5-(2-((phenylmethyl)amino)-4-pyridinyl)-1,3-thiazol-4-yl)-1,6-dihydropyridine-3-carboxylate;

Ethyl 2-methyl-5-(2-((2-((1-methylethyl)amino)ethyl)amino)-4-pyridinyl)-1,3-thiazol-4-yl)-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 5-(2-((2-(diethylamino)ethyl)amino)-4-pyridinyl)-1,3-thiazol-4-yl)-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 5-(2-{2-[(fur-2-ylmethyl)-amino]-pyridin-4-yl}-thiazol-4-yl)-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 5-{2-[2-(2-thien-2-yl-ethylamino)-pyridin-4-yl]-thiazol-4-yl}-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 5-[2-(2-butylamino-pyridin-4-yl)-thiazol-4-yl]-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 5-{2-[2-(carbamoylmethyl-amino)-pyridin-4-yl]-thiazol-4-yl}-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 5-{2-[2-acetylamino-ethylamino)-pyridin-4-yl]-thiazol-4-yl}-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 5-{2-[2-(Cyclopropylmethylamino)-pyridin-4-yl]-thiazol-4-yl}-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylic acid cyclopropyl-methyl amide;

Ethyl 5-{2-[2-(cyclopropylmethyl-amino)-pyridin-4-yl]-thiazol-4-yl}-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 5-{2-[2-(Cyclopentyl)methylamino-pyridin-4-yl]-thiazol-4-yl}-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 5-{2-[2-(4-Methoxybenzylamino)-pyridin-4-yl]-thiazol-4-yl}-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylic acid 4-methoxy-benzylamide;

Ethyl 2-methyl-6-oxo-5-(2-(2-amino-4-pyridinyl)-1,3-thiazol-4-yl)-1,6-dihdropyridine-3-carboxylate;

Ethyl 2-methyl-5-[2-(methylamino)(1,3-thiazol-4-yl)]-6-oxo-1,6-dihdropyridine-3-carboxylate;

6-Methyl-3-(2-(4-pyridyl)(1,3-thiazol-4-yl))hydropyridin-2-one;
Ethyl 2-methyl-5-(2-(2-(methyloxy)-4-pyridinyl)-1,3-thiazol-4-yl)-6-oxo-1,6-dihydropyridine-3-carboxylate;

5 Ethyl 2-methyl-6-oxo-5-{2-[(phenylsulfonyl)methyl](1,3-thiazol-4-yl)}-1,6-dihydropyridine-3-carboxylate;
Ethyl 2-methyl-6-oxo-5-(2-(4-pyridyl)(1,3-thiazol-4-yl))-1,6-dihydropyridine-3-carboxylate;
Ethyl 2-methyl-6-oxo-5-{2-[(2-pyridylsulfonyl)methyl](1,3-thiazol-4-yl)}-1,6-dihydropyridine-3-carboxylate;

10 Ethyl 2-methyl-5-(2-(1-methyl-1-(phenylsulfonyl)ethyl)-1,3-thiazol-4-yl)-6-oxo-1,6-dihydropyridine-3-carboxylate;
Ethyl 2-cyclopropyl-6-oxo-5-(2-(4-pyridinyl)-1,3-thiazol-4-yl)-1,6-dihydropyridine-3-carboxylate;

15 Ethyl 2-cyclopropyl-6-oxo-5-(2-((phenylsulfonyl)methyl)-1,3-thiazol-4-yl)-1,6-dihydropyridine-3-carboxylate;
5-Bromo-6-methyl-3-(2-(4-pyridinyl)-1,3-thiazol-4-yl)-2(1H)-pyridinone;
Ethyl 2-methyl-5-(2-(2-(methylamino)-4-pyridinyl)-1,3-thiazol-4-yl)-6-oxo-1,6-dihydropyridine-3-carboxylate

20 5-Amino-6-ethyl-3-(2-(4-pyridinyl)-1,3-thiazol-4-yl)-2(1H)-pyridinone;
6-Methyl-3-(2-(2-((2-pyridinylmethyl)amino)-4-pyridinyl)-1,3-thiazol-4-yl)-2(1H)-pyridinone;

25 Ethyl 2-methyl-6-oxo-5-(2-(2-((2-pyridinylmethyl)amino)-4-pyridinyl)-1,3-thiazol-4-yl)-1,6-dihydropyridine-3-carboxylate;
Ethyl 5-[2-(methylamino-pyridin-4-yl)-thiazol-4-yl]-2-isopropyl-6-oxo-1,6-dihydropyridine-3-carboxylate;

30 1,1-Dimethylethyl 2-methyl-6-oxo-5-(2-(4-pyridinyl)-1,3-thiazol-4-yl)-1,6-dihydropyridine-3-carboxylate;
2-(1-Pyrrolidinyl)ethyl 2-ethyl-6-oxo-5-(2-(4-pyridinyl)-1,3-thiazol-4-yl)-1,6-dihydropyridine-3-carboxylate;
6-Ethyl-3-(2-pyridin-4-yl-thiazol-4-yl)-1H-pyridin-2-one;

6-Isopropyl-3-(2-pyridin-4-yl-thiazol-4-yl)-1H-pyridin-2-one;

3-(Diethylamino)propyl 2-ethyl-6-oxo-5-(2-(4-pyridinyl)-1,3-thiazol-4-yl)-1,6-dihdropyridine-3-carboxylate;

5 3-(Diethylamino)propyl 2-(1-methylethyl)-6-oxo-5-(2-(4-pyridinyl)-1,3-thiazol-4-yl)-1,6-dihdropyridine-3-carboxylate; and

5-Hydroxymethyl-6-methyl-3-(2-pyridin-4-yl-thiazol-4-yl)-1H-pyridin-2-one.

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33. Compound of Claim 27 and pharmaceutically acceptable derivatives thereof selected from:

6-Isopropyl-5-methyl-3-(2-pyridin-4-yl-thiazol-4-yl)-1H-pyridin-2-one;

3-(2-Bzenenesulfonylmethyl-thiazol-4-yl)-6-isopropyl-5-methyl-1H-pyridin-2-one;

6-Ethyl-5-isopropionyl-3-(2-pyridin-4-yl-thiazol-4-yl)-1H-pyridin-2-one;

20 3-(2-Bzenenesulfonylmethyl-thiazol-4yl)-6-ethyl-5-propionyl-1H-pyridin-2-one;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-pyrrolidin-1-yl-ethyl ester;

25 2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-(2-oxo-pyrrolidin-1-yl)-ethyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-diethylamino-ethyl ester;

30 2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 1-ethyl-piperidin-3-yl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 1-methyl-piperidin-3-yl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-dimethylamino-1-methyl-ethyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-diethylamino-1-methyl-ethyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-(benzyl-methyl-amino)-ethyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 1-methyl-piperidin-4-yl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-(2-oxo-pyrrolidin-1-yl)-propyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid phenethyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-dihydro-pyridine-3-carboxylic acid 2-thiophen-2-yl-ethyl ester;

5-(2-Benzenesulfonylmethyl-thiazol-4-yl)-2-isopropyl-6-oxo-1,6-pyridine-3-carboxylic acid 2-diethylamino-ethyl ester;

5-(2-Benzenesulfonylmethyl-thiazol-4-yl)-2-isopropyl-6-oxo-1,6-pyridine-3-carboxylic acid 2-diethylamino-1-methyl-ethyl ester;

5-(2-Benzenesulfonylmethyl-thiazol-4-yl)-2-isopropyl-6-oxo-1,6-pyridine-3-carboxylic acid 2-diethylamino-propyl ester;

5-(2-Benzenesulfonylmethyl-thiazol-4-yl)-2-isopropyl-6-oxo-
1,6-pyridine-3-carboxylic acid 2-(1-methyl-pyrrolidin-2-
yl)-ethyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-
5 dihydro-pyridine-3-carboxylic acid methyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-
dihydro-pyridine-3-carboxylic acid propyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-
10 dihydro-pyridine-3-carboxylic acid butyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-
dihydro-pyridine-3-carboxylic acid isobutyl ester;

2-Isopropyl-6-oxo-5-(2-pyridin-4-yl-thiazol-4-yl)-1,6-
15 dihydro-pyridine-3-carboxylic acid sec-butyl ester;

5-{[(2-Diethylamino-ethyl)-methyl-amino]-methyl}-6-ethyl-3-
15 (2-pyridin-4-yl-thiazol-4-yl)-1H-pyridin-2-one;

5-[2-(2-Dimethylamino-pyridin-4-yl)-thiazol-4-yl]-2-
isopropyl-6-oxo-1,6-dihydro-pyridine-3-carboxylic acid
ethyl ester;

20 Ethyl 2-ethyl-6-oxo-5-(2-(4-pyridinyl)-1,3-thiazol-4-yl)-
1,6-dihydropyridine-3-carboxylate;
Ethyl 2-ethyl-6-oxo-5-{2-[(thienylsulfonyl)methyl](1,3-
thiazol-4-yl)}-1,6-dihydropyridine-3-carboxylate;
Ethyl 2-ethyl-6-oxo-5-{2-[(phenylsulfonyl)methyl](1,3-
25 thiazol-4-yl)}-1,6-dihydropyridine-3-carboxylate;
Ethyl 2-isopropyl-6-oxo-5-(2-(4-pyridyl)(1,3-thiazol-4-yl)-
1,6-dihydropyridine-3-carboxylate;
Ethyl 2-isopropyl-6-oxo-5-{2-[(thienylsulfonyl)methyl](1,3-
thiazol-4-yl)}-1,6-dihydropyridine-3-carboxylate;
30 Ethyl 2-isopropyl-6-oxo-5-{2-[(phenylsulfonyl)methyl](1,3-
thiazol-4-yl)}-1,6-dihydropyridine-3-carboxylate;
Ethyl 2-propyl-6-oxo-5-(2-(4-pyridyl)(1,3-thiazol-4-yl)-1,6-
dihydropyridine-3-carboxylate;

Ethyl 2-propyl-6-oxo-5-{2-[(phenylsulfonyl)methyl](1,3-thiazol-4-yl)}-1,6-dihdropyridine-3-carboxylate;

Ethyl 2-propyl-6-oxo-5-{2-[(thienylsulfonyl)methyl](1,3-thiazol-4-yl)}-1,6-dihdropyridine-3-carboxylate;

5 Ethyl 6-oxo-2-[(phenylmethoxy)methyl]-5-(2-(4-pyridyl)(1,3-thiazol-4-yl))-1,6-dihdropyridine-3-carboxylate;

Ethyl 6-oxo-2-[(phenylmethoxy)methyl]-5-{2-[(phenylsulfonyl)methyl](1,3-thiazol-4-yl)}-1,6-dihdropyridine-3-carboxylate;

10 Ethyl 2-methyl-6-oxo-5-{2-[(2-thienylsulfonyl)methyl](1,3-thiazol-4-yl)}-1,6-dihdropyridine-3-carboxylate;

Ethyl 5-[2-({[(4-fluorophenyl)methyl]sulfonyl)methyl}(1,3-thiazol-4-yl)]-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

15 Ethyl 5-[2-({[(4-fluorophenyl)methyl]sulfonyl)methyl}(1,3-thiazol-4-yl)]-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 2-methyl-6-oxo-5-{2-(phenylthiomethyl)(1,3-thiazol-4-yl)}-1,6-dihdropyridine-3-carboxylate;

20 Ethyl 5-[2-(2-ethyl(4-pyridyl))(1,3-thiazol-4-yl)-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 5-[2-(2-chloro(4-pyridyl))(1,3-thiazol-4-yl)-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 5-[2-(3,5-Dichloro-pyridin-4-yl)-thiazol-4-yl]-2-

25 methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 2-methyl-5-(2-(2-(2-methylpropyl)amino)-4-pyridinyl)-1,3-thiazol-4-yl)-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 2-methyl-6-oxo-5-(2-(2-((3-pyridinylmethyl)amino)-4-

30 pyridinyl)-1,3-thiazol-4-yl)-1,6-dihdropyridine-3-carboxylate;

Ethyl 2-methyl-6-oxo-5-(2-(2-((phenylmethyl)amino)-4-pyridinyl)-1,3-thiazol-4-yl)-1,6-dihdropyridine-3-carboxylate;

Ethyl 2-methyl-5-(2-(2-((2-((1-methylethyl)amino)ethyl)amino)-4-pyridinyl)-1,3-thiazol-4-yl)-6-oxo-1,6-dihdropyridine-3-carboxylate;

5 Ethyl 5-(2-(2-((2-(diethylamino)ethyl)amino)-4-pyridinyl)-1,3-thiazol-4-yl)-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 5-(2-{2-[(fur-2-ylmethyl)-amino]-pyridin-4-yl}-thiazol-4-yl)-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

10 Ethyl 5-{2-[2-(2-thien-2-yl-ethylamino)-pyridin-4-yl]-thiazol-4-yl}-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 5-[2-(2-butylamino-pyridin-4-yl)-thiazol-4-yl]-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

15 Ethyl 5-{2-[2-(carbamoylmethyl-amino)-pyridin-4-yl]-thiazol-4-yl}-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 5-{2-[2-acetylamino-ethylamino)-pyridin-4-yl]-thiazol-4-yl}-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

20 5-{2-[2-(Cyclopropylmethylamino)-pyridin-4-yl]-thiazol-4-yl}-2-methyl-6-oxohydro-pyridine-3-carboxylic acid cyclopropyl-methyl amide;

Ethyl 5-{2-[2-(cyclopropylmethyl-amino)-pyridin-4-yl]-thiazol-4-yl}-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

25 Ethyl 5-{2-[2-(cyclopentyl)methylamino-pyridin-4-yl]-thiazol-4-yl}-2-methyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 2-methyl-6-oxo-5-(2-(2-(amino)-4-pyridinyl)-1,3-thiazol-4-yl)-1,6-dihdropyridine-3-carboxylate;

30 Ethyl 2-methyl-5-[2-(methylamino)(1,3-thiazol-4-yl)]-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 2-methyl-6-oxo-5-{2-[(phenylsulfonyl)methyl](1,3-thiazol-4-yl)}-1,6-dihdropyridine-3-carboxylate;

Ethyl 2-methyl-6-oxo-5-(2-(4-pyridyl)(1,3-thiazol-4-yl))-1,6-dihdropyridine-3-carboxylate;

Ethyl 2-methyl-6-oxo-5-{2-[(2-pyridylsulfonyl)methyl](1,3-thiazol-4-yl)}-1,6-dihdropyridine-3-carboxylate;

5 Ethyl 2-methyl-5-(2-(1-methyl-1-(phenylsulfonyl)ethyl)-1,3-thiazol-4-yl)-6-oxo-1,6-dihdropyridine-3-carboxylate;

Ethyl 2-cyclopropyl-6-oxo-5-(2-((phenylsulfonyl)methyl)-1,3-thiazol-4-yl)-1,6-dihdropyridine-3-carboxylate;

5-Bromo-6-methyl-3-(2-(4-pyridinyl)-1,3-thiazol-4-yl)-2(1H)-10 pyridinone;

Ethyl 2-methyl-5-(2-(2-(methylamino)-4-pyridinyl)-1,3-thiazol-4-yl)-6-oxo-1,6-dihdropyridine-3-carboxylate;

2-Methyl-6-oxo-N-(2-pyridinylmethyl)-5-(2-(2-(2-pyridinylmethyl)amino)-4-pyridinyl)-1,3-thiazol-4-yl)-1,6-dihdropyridine-3-carboxamide;

15 Ethyl 2-methyl-6-oxo-5-(2-(2-((2-pyridinylmethyl)amino)-4-pyridinyl)-1,3-thiazol-4-yl)-1,6-dihdropyridine-3-carboxylate;

Ethyl 5-[2-(methylamino-pyridin-4-yl)-thiazol-4-yl]-2-isopropyl-6-oxo-1,6-dihdropyridine-3-carboxylate;

20 1,1-Dimethylethyl 2-methyl-6-oxo-5-(2-(4-pyridinyl)-1,3-thiazol-4-yl)-1,6-dihdropyridine-3-carboxylate;

2-(1-Pyrrolidinyl)ethyl 2-ethyl-6-oxo-5-(2-(4-pyridinyl)-1,3-thiazol-4-yl)-1,6-dihdropyridine-3-carboxylate;

25 6-Ethyl-3-(2-pyridin-4-yl-thiazol-4-yl)-1H-pyridin-2-one;

6-Isopropyl-3-(2-pyridin-4-yl-thiazol-4-yl)-1H-pyridin-2-one;

30 3-(Diethylamino)propyl 2-ethyl-6-oxo-5-(2-(4-pyridinyl)-1,3-thiazol-4-yl)-1,6-dihdropyridine-3-carboxylate; and

3-(Diethylamino)propyl 2-(1-methylethyl)-6-oxo-5-(2-(4-pyridinyl)-1,3-thiazol-4-yl)-1,6-dihdropyridine-3-carboxylate.

34. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a compound of Claim 1.

5 35. A method of inhibiting cell proliferation which comprises administering an effective amount of a compound of Claim 1 and ethyl 2-trifluoromethyl-6-oxo-5-(2-(4-pyridyl)(1,3-thiazol-4-yl)-1,6-dihydro-3-pyridinecarboxylate.

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36. A method of treating cancer which comprises administering an effective amount of a compound of Claim 1 and ethyl 2-trifluoromethyl-6-oxo-5-(2-(4-pyridyl)(1,3-thiazol-4-yl)-1,6-dihydro-3-pyridinecarboxylate.

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37. A method of inhibiting a serine/threonine kinase which comprises administering an effective amount a compound of Claim 1 and ethyl 2-trifluoromethyl-6-oxo-5-(2-(4-pyridyl)(1,3-thiazol-4-yl)-1,6-dihydro-3-pyridinecarboxylate.

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38. A method of treating a neurological disorder which comprises administering an effective amount a compound of Claim 1 and ethyl 2-trifluoromethyl-6-oxo-5-(2-(4-pyridyl)(1,3-thiazol-4-yl)-1,6-dihydro-3-pyridinecarboxylate.

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39. A method of treating apoptosis comprising administering an effective amount a compound of Claim 1 and ethyl 2-trifluoromethyl-6-oxo-5-(2-(4-pyridyl)(1,3-thiazol-4-yl)-1,6-dihydro-3-pyridinecarboxylate.